

List of Publications by Year in descending order

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763
papers

314,925
citations

¹²

208
h-index

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527
g-index

890
all docs

890
docs citations

890
times ranked

143432
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Genomic Mutations Within the Host Microbiome: Adaptive Evolution or Purifying Selection. <i>Engineering</i> , 2023, 20, 96-102. | 3.2 | 5 |
| 2 | Impact of exclusive enteral nutrition on the gut microbiome of children with medical complexity. <i>Journal of Parenteral and Enteral Nutrition</i> , 2023, 47, 77-86. | 1.3 | 2 |
| 3 | Severe acute respiratory coronavirus virus 2 (SARS-CoV-2) screening among symptom-free healthcare workers. <i>Infection Control and Hospital Epidemiology</i> , 2022, 43, 657-660. | 1.0 | 9 |
| 4 | A semiparametric model for between-subject attributes: Applications to beta-diversity of microbiome data. <i>Biometrics</i> , 2022, 78, 950-962. | 0.8 | 5 |
| 5 | Impact of Vaginal Estrogen on the Urobiome in Postmenopausal Women With Recurrent Urinary Tract Infection. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2022, 28, 20-26. | 0.6 | 5 |
| 6 | Utilizing stability criteria in choosing feature selection methods yields reproducible results in microbiome data. <i>Biometrics</i> , 2022, 78, 1155-1167. | 0.8 | 4 |
| 7 | Host and gut microbial tryptophan metabolism and type 2 diabetes: an integrative analysis of host genetics, diet, gut microbiome and circulating metabolites in cohort studies. <i>Gut</i> , 2022, 71, 1095-1105. | 6.1 | 98 |
| 8 | The microbiome and prostate cancer. <i>Prostate Cancer and Prostatic Diseases</i> , 2022, 25, 159-164. | 2.0 | 21 |
| 9 | Reduced Gut Microbiome Diversity in People With HIV Who Have Distal Neuropathic Pain. <i>Journal of Pain</i> , 2022, 23, 318-325. | 0.7 | 9 |
| 10 | Vitamin B-12 and the Gastrointestinal Microbiome: A Systematic Review. <i>Advances in Nutrition</i> , 2022, 13, 530-558. | 2.9 | 20 |
| 11 | A posteriori dietary patterns better explain variations of the gut microbiome than individual markers in the American Gut Project. <i>American Journal of Clinical Nutrition</i> , 2022, 115, 432-443. | 2.2 | 28 |
| 12 | The Gut Microbiome Modifies the Association Between a Mediterranean Diet and Diabetes in USA Hispanic/ Latino Population. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e924-e934. | 1.8 | 9 |
| 13 | Redrawing therapeutic boundaries: microbiota and cancer. <i>Trends in Cancer</i> , 2022, 8, 87-97. | 3.8 | 11 |
| 14 | Multi-omics analyses of the ulcerative colitis gut microbiome link <i>Bacteroides vulgatus</i> proteases with disease severity. <i>Nature Microbiology</i> , 2022, 7, 262-276. | 5.9 | 110 |
| 15 | Using all our genomes: Blood-based liquid biopsies for the early detection of cancer. <i>View</i> , 2022, 3, . | 2.7 | 21 |
| 16 | Predicting fungal infection rate and severity with skin-associated microbial communities on amphibians. <i>Molecular Ecology</i> , 2022, 31, 2140-2156. | 2.0 | 7 |
| 17 | Gut Microbiome Composition Is Predictive of Incident Type 2 Diabetes in a Population Cohort of 5,572 Finnish Adults. <i>Diabetes Care</i> , 2022, 45, 811-818. | 4.3 | 47 |
| 18 | Combined effects of host genetics and diet on human gut microbiota and incident disease in a single population cohort. <i>Nature Genetics</i> , 2022, 54, 134-142. | 9.4 | 164 |

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|----|--|------|-----------|
| 19 | Applications and Comparison of Dimensionality Reduction Methods for Microbiome Data. <i>Frontiers in Bioinformatics</i> , 2022, 2, . | 1.0 | 10 |
| 20 | A gut-derived metabolite alters brain activity and anxiety behaviour in mice. <i>Nature</i> , 2022, 602, 647-653. | 13.7 | 179 |
| 21 | Cancer's second genome: Microbial cancer diagnostics and redefining clonal evolution as a multispecies process. <i>BioEssays</i> , 2022, 44, e2100252. | 1.2 | 12 |
| 22 | Early prediction of incident liver disease using conventional risk factors and gut-microbiome-augmented gradient boosting. <i>Cell Metabolism</i> , 2022, 34, 719-730.e4. | 7.2 | 35 |
| 23 | Salivary bacterial signatures in depression-obesity comorbidity are associated with neurotransmitters and neuroactive dipeptides. <i>BMC Microbiology</i> , 2022, 22, 75. | 1.3 | 8 |
| 24 | The ViReflow pipeline enables user friendly large scale viral consensus genome reconstruction. <i>Scientific Reports</i> , 2022, 12, 5077. | 1.6 | 12 |
| 25 | Swapping Metagenomics Preprocessing Pipeline Components Offers Speed and Sensitivity Increases. <i>MSystems</i> , 2022, 7, e0137821. | 1.7 | 3 |
| 26 | Unlocking capacities of genomics for the COVID-19 response and future pandemics. <i>Nature Methods</i> , 2022, 19, 374-380. | 9.0 | 35 |
| 27 | Phylogeny-Aware Analysis of Metagenome Community Ecology Based on Matched Reference Genomes while Bypassing Taxonomy. <i>MSystems</i> , 2022, 7, e0016722. | 1.7 | 35 |
| 28 | The Host-Microbiome Response to Hyperbaric Oxygen Therapy in Ulcerative Colitis Patients. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 14, 35-53. | 2.3 | 10 |
| 29 | Menopause Is Associated with an Altered Gut Microbiome and Estrobolome, with Implications for Adverse Cardiometabolic Risk in the Hispanic Community Health Study/Study of Latinos. <i>MSystems</i> , 2022, 7, . | 1.7 | 16 |
| 30 | Early microbial markers of periodontal and cardiometabolic diseases in ORIGINS. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, 30. | 2.9 | 7 |
| 31 | The impact of maternal asthma on the preterm infants' gut metabolome and microbiome (MAP study). <i>Scientific Reports</i> , 2022, 12, 6437. | 1.6 | 3 |
| 32 | Compositionally Aware Phylogenetic Beta-Diversity Measures Better Resolve Microbiomes Associated with Phenotype. <i>MSystems</i> , 2022, 7, e0005022. | 1.7 | 4 |
| 33 | Nitrite Generating and Depleting Capacity of the Oral Microbiome and Cardiometabolic Risk: Results from ORIGINS. <i>Journal of the American Heart Association</i> , 2022, 11, e023038. | 1.6 | 10 |
| 34 | SARS-CoV-2 Distribution in Residential Housing Suggests Contact Deposition and Correlates with <i>Rothia</i> sp.. <i>MSystems</i> , 2022, 7, e0141121. | 1.7 | 5 |
| 35 | A Prebiotic Diet Alters the Fecal Microbiome and Improves Sleep in Response to Sleep Disruption in Rats. <i>Frontiers in Neuroscience</i> , 2022, 16, . | 1.4 | 6 |
| 36 | Optimizing UniFrac with OpenACC Yields Greater Than One Thousand Times Speed Increase. <i>MSystems</i> , 2022, 7, . | 1.7 | 2 |

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|----|---|------|-----------|
| 37 | Multiomic Analyses of Nascent Preterm Infant Microbiomes Differentiation Suggest Opportunities for Targeted Intervention. <i>Advanced Biology</i> , 2022, 6, . | 1.4 | 4 |
| 38 | A comparison of six DNA extraction protocols for 16S, ITS and shotgun metagenomic sequencing of microbial communities. <i>BioTechniques</i> , 2022, 73, 34-46. | 0.8 | 25 |
| 39 | Sentinel Cards Provide Practical SARS-CoV-2 Monitoring in School Settings. <i>MSystems</i> , 2022, 7, . | 1.7 | 1 |
| 40 | Diurnal and eating-associated microbial patterns revealed via high-frequency saliva sampling. <i>Genome Research</i> , 2022, 32, 1112-1123. | 2.4 | 3 |
| 41 | The molecular impact of life in an indoor environment. <i>Science Advances</i> , 2022, 8, . | 4.7 | 3 |
| 42 | Implementation of Practical Surface SARS-CoV-2 Surveillance in School Settings. <i>MSystems</i> , 2022, 7, . | 1.7 | 4 |
| 43 | Context-aware deconvolution of cell-cell communication with Tensor-cell2cell. <i>Nature Communications</i> , 2022, 13, . | 5.8 | 32 |
| 44 | Diet and feeding pattern modulate diurnal dynamics of the ileal microbiome and transcriptome. <i>Cell Reports</i> , 2022, 40, 111008. | 2.9 | 32 |
| 45 | Enhancing untargeted metabolomics using metadata-based source annotation. <i>Nature Biotechnology</i> , 2022, 40, 1774-1779. | 9.4 | 25 |
| 46 | Wastewater sequencing reveals early cryptic SARS-CoV-2 variant transmission. <i>Nature</i> , 2022, 609, 101-108. | 18.7 | 200 |
| 47 | Gut microbiome in serious mental illnesses: A systematic review and critical evaluation. <i>Schizophrenia Research</i> , 2021, 234, 24-40. | 1.1 | 47 |
| 48 | Household paired design reduces variance and increases power in multi-city gut microbiome study in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021, 27, 366-379. | 1.4 | 24 |
| 49 | Auto-deconvolution and molecular networking of gas chromatography-mass spectrometry data. <i>Nature Biotechnology</i> , 2021, 39, 169-173. | 9.4 | 78 |
| 50 | Fecal Microbiota Transplantation Is Highly Effective in Real-World Practice: Initial Results From the FMT National Registry. <i>Gastroenterology</i> , 2021, 160, 183-192.e3. | 0.6 | 113 |
| 51 | Gastrointestinal Surgery for Inflammatory Bowel Disease Persistently Lowers Microbiome and Metabolome Diversity. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 603-616. | 0.9 | 25 |
| 52 | Deep metagenomics examines the oral microbiome during dental caries, revealing novel taxa and co-occurrences with host molecules. <i>Genome Research</i> , 2021, 31, 64-74. | 2.4 | 59 |
| 53 | Chemically informed analyses of metabolomics mass spectrometry data with Qemistree. <i>Nature Chemical Biology</i> , 2021, 17, 146-151. | 3.9 | 73 |
| 54 | Current Concepts, Opportunities, and Challenges of Gut Microbiome-Based Personalized Medicine in Nonalcoholic Fatty Liver Disease. <i>Cell Metabolism</i> , 2021, 33, 21-32. | 7.2 | 98 |

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|----|---|-----|-----------|
| 55 | Coinfection and infection duration shape how pathogens affect the African buffalo gut microbiota. <i>ISME Journal</i> , 2021, 15, 1359-1371. | 4.4 | 17 |
| 56 | High-accuracy long-read amplicon sequences using unique molecular identifiers with Nanopore or PacBio sequencing. <i>Nature Methods</i> , 2021, 18, 165-169. | 9.0 | 198 |
| 57 | Gut microbiome in Schizophrenia: Altered functional pathways related to immune modulation and atherosclerotic risk. <i>Brain, Behavior, and Immunity</i> , 2021, 91, 245-256. | 2.0 | 44 |
| 58 | Context-aware dimensionality reduction deconvolutes gut microbial community dynamics. <i>Nature Biotechnology</i> , 2021, 39, 165-168. | 9.4 | 61 |
| 59 | Identifying the effect of vancomycin on health care-associated methicillin-resistant <i>Staphylococcus aureus</i> strains using bacteriological and physiological media. <i>GigaScience</i> , 2021, 10, . | 3.3 | 5 |
| 60 | Host DNA Depletion in Saliva Samples for Improved Shotgun Metagenomics. <i>Methods in Molecular Biology</i> , 2021, 2327, 87-92. | 0.4 | 1 |
| 61 | Nonalcoholic Steatohepatitis and HCC in a Hyperphagic Mouse Accelerated by Western Diet. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 891-920. | 2.3 | 17 |
| 62 | Reply to: Examining microbe-metabolite correlations by linear methods. <i>Nature Methods</i> , 2021, 18, 40-41. | 9.0 | 6 |
| 63 | Early life gut microbiota is associated with rapid infant growth in Hispanics from Southern California. <i>Gut Microbes</i> , 2021, 13, 1961203. | 4.3 | 32 |
| 64 | Feasibility of using alternative swabs and storage solutions for paired SARS-CoV-2 detection and microbiome analysis in the hospital environment. <i>Microbiome</i> , 2021, 9, 25. | 4.9 | 13 |
| 65 | A Multi-Omics Characterization of the Natural Product Potential of Tropical Filamentous Marine Cyanobacteria. <i>Marine Drugs</i> , 2021, 19, 20. | 2.2 | 19 |
| 66 | Large-scale association analyses identify host factors influencing human gut microbiome composition. <i>Nature Genetics</i> , 2021, 53, 156-165. | 9.4 | 676 |
| 67 | Absence of <i>CCR2</i> reduces spontaneous intestinal tumorigenesis in the <i>Apc^{Min/+}</i> mouse model. <i>International Journal of Cancer</i> , 2021, 148, 2594-2607. | 2.3 | 7 |
| 68 | Quantifying Live Microbial Load in Human Saliva Samples over Time Reveals Stable Composition and Dynamic Load. <i>MSystems</i> , 2021, 6, . | 1.7 | 19 |
| 69 | Associations of fecal microbial profiles with breast cancer and nonmalignant breast disease in the Ghana Breast Health Study. <i>International Journal of Cancer</i> , 2021, 148, 2712-2723. | 2.3 | 33 |
| 70 | The microbiome and human cancer. <i>Science</i> , 2021, 371, . | 6.0 | 506 |
| 71 | A comparison of DNA/RNA extraction protocols for high-throughput sequencing of microbial communities. <i>BioTechniques</i> , 2021, 70, 149-159. | 0.8 | 17 |
| 72 | Association of Loneliness and Wisdom With Gut Microbial Diversity and Composition: An Exploratory Study. <i>Frontiers in Psychiatry</i> , 2021, 12, 648475. | 1.3 | 17 |

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|----|---|------|-----------|
| 73 | Exploring the Composition and Functions of Plastic Microbiome Using Whole-Genome Sequencing. <i>Environmental Science & Technology</i> , 2021, 55, 4899-4913. | 4.6 | 71 |
| 74 | Dietary factors, gut microbiota, and serum trimethylamine-N-oxide associated with cardiovascular disease in the Hispanic Community Health Study/Study of Latinos. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 1503-1514. | 2.2 | 32 |
| 75 | High-Throughput Wastewater SARS-CoV-2 Detection Enables Forecasting of Community Infection Dynamics in San Diego County. <i>MSystems</i> , 2021, 6, . | 1.7 | 106 |
| 76 | Evaluation of the Effect of Storage Methods on Fecal, Saliva, and Skin Microbiome Composition. <i>MSystems</i> , 2021, 6, . | 1.7 | 22 |
| 77 | Assessment of the microbiome during bacteriophage therapy in combination with systemic antibiotics to treat a case of staphylococcal device infection. <i>Microbiome</i> , 2021, 9, 92. | 4.9 | 40 |
| 78 | Influence of Intermittent Hypoxia/Hypercapnia on Atherosclerosis, Gut Microbiome, and Metabolome. <i>Frontiers in Physiology</i> , 2021, 12, 663950. | 1.3 | 20 |
| 79 | EMPress Enables Tree-Guided, Interactive, and Exploratory Analyses of Multi-omic Data Sets. <i>MSystems</i> , 2021, 6, . | 1.7 | 36 |
| 80 | Challenges in benchmarking metagenomic profilers. <i>Nature Methods</i> , 2021, 18, 618-626. | 9.0 | 63 |
| 81 | Associations of healthy food choices with gut microbiota profiles. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 605-616. | 2.2 | 42 |
| 82 | Intratumoral bacteria generate a new class of therapeutically relevant tumor antigens in melanoma. <i>Cancer Cell</i> , 2021, 39, 601-603. | 7.7 | 9 |
| 83 | METTL3 regulates viral m6A RNA modification and host cell innate immune responses during SARS-CoV-2 infection. <i>Cell Reports</i> , 2021, 35, 109091. | 2.9 | 124 |
| 84 | Emergence and rapid transmission of SARS-CoV-2 B.1.1.7 in the United States. <i>Cell</i> , 2021, 184, 2587-2594.e7. | 13.5 | 285 |
| 85 | Insight into the function and evolution of the Woodá€“Ljungdahl pathway in <i>Actinobacteria</i> . <i>ISME Journal</i> , 2021, 15, 3005-3018. | 4.4 | 55 |
| 86 | Structure-based protein function prediction using graph convolutional networks. <i>Nature Communications</i> , 2021, 12, 3168. | 5.8 | 300 |
| 87 | Taxonomic signatures of cause-specific mortality risk in human gut microbiome. <i>Nature Communications</i> , 2021, 12, 2671. | 5.8 | 55 |
| 88 | Impacts of the Marine Hatchery Built Environment, Water and Feed on Mucosal Microbiome Colonization Across Ontogeny in Yellowtail Kingfish, <i>Seriola lalandi</i> . <i>Frontiers in Marine Science</i> , 2021, 8, . | 1.2 | 13 |
| 89 | Candidate probiotic <i>Lactiplantibacillus plantarum</i> HNU082 rapidly and convergently evolves within human, mice, and zebrafish gut but differentially influences the resident microbiome. <i>Microbiome</i> , 2021, 9, 151. | 4.9 | 30 |
| 90 | Experiences and lessons learned from two virtual, hands-on microbiome bioinformatics workshops. <i>PLoS Computational Biology</i> , 2021, 17, e1009056. | 1.5 | 2 |

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|-----|--|------|-----------|
| 91 | Intermittent Hypoxia and Hypercapnia Alter Diurnal Rhythms of Luminal Gut Microbiome and Metabolome. <i>MSystems</i> , 2021, 6, e0011621. | 1.7 | 27 |
| 92 | Effects of processed meat and drinking water nitrate on oral and fecal microbial populations in a controlled feeding study. <i>Environmental Research</i> , 2021, 197, 111084. | 3.7 | 16 |
| 93 | Compositional and genetic alterations in Gravesâ€™ disease gut microbiome reveal specific diagnostic biomarkers. <i>ISME Journal</i> , 2021, 15, 3399-3411. | 4.4 | 30 |
| 94 | SARS-CoV-2 detection status associates with bacterial community composition in patients and the hospital environment. <i>Microbiome</i> , 2021, 9, 132. | 4.9 | 37 |
| 95 | Accelerating Key Bioinformatics Tasks 100-fold by Improving Memory Access. , 2021, , . | | 0 |
| 96 | Nutritional Interventions and the Gut Microbiome in Children. <i>Annual Review of Nutrition</i> , 2021, 41, 479-510. | 4.3 | 18 |
| 97 | A Scale-Free, Fully Connected Global Transition Network Underlies Known Microbiome Diversity. <i>MSystems</i> , 2021, 6, e0039421. | 1.7 | 5 |
| 98 | Rapid, Large-Scale Wastewater Surveillance and Automated Reporting System Enable Early Detection of Nearly 85% of COVID-19 Cases on a University Campus. <i>MSystems</i> , 2021, 6, e0079321. | 1.7 | 94 |
| 99 | Naturalization of the microbiota developmental trajectory of Cesarean-born neonates after vaginal seeding. <i>Med</i> , 2021, 2, 951-964.e5. | 2.2 | 37 |
| 100 | Individuals with substance use disorders have a distinct oral microbiome pattern. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 15, 100271. | 1.3 | 11 |
| 101 | A Pilot Study of Microbial Succession in Human Rib Skeletal Remains during Terrestrial Decomposition. <i>MSphere</i> , 2021, 6, e0045521. | 1.3 | 12 |
| 102 | Markers of Gut Barrier Function and Microbial Translocation Associate with Lower Gut Microbial Diversity in People with HIV. <i>Viruses</i> , 2021, 13, 1891. | 1.5 | 17 |
| 103 | Challenges in Determining the Role of Microbiome Evolution in Barrettâ€™s Esophagus and Progression to Esophageal Adenocarcinoma. <i>Microorganisms</i> , 2021, 9, 2003. | 1.6 | 4 |
| 104 | Emergence of an early SARS-CoV-2 epidemic in the United States. <i>Cell</i> , 2021, 184, 4939-4952.e15. | 13.5 | 31 |
| 105 | Efficient computation of Faith's phylogenetic diversity with applications in characterizing microbiomes. <i>Genome Research</i> , 2021, 31, 2131-2137. | 2.4 | 16 |
| 106 | Ruminiclostridium 5, Parabacteroides distasonis, and bile acid profile are modulated by prebiotic diet and associate with facilitated sleep/clock realignment after chronic disruption of rhythms. <i>Brain, Behavior, and Immunity</i> , 2021, 97, 150-166. | 2.0 | 34 |
| 107 | Links between gut microbiome composition and fatty liver disease in a large population sample. <i>Gut Microbes</i> , 2021, 13, 1-22. | 4.3 | 41 |
| 108 | Enabling microbiome research on personal devices. , 2021, , . | | 1 |

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|-----|---|------|-----------|
| 109 | Uniform Manifold Approximation and Projection (UMAP) Reveals Composite Patterns and Resolves Visualization Artifacts in Microbiome Data. <i>MSystems</i> , 2021, 6, e0069121. | 1.7 | 27 |
| 110 | Fecal Microbiome Composition Does Not Predict Diet-Induced TMAO Production in Healthy Adults. <i>Journal of the American Heart Association</i> , 2021, 10, e021934. | 1.6 | 14 |
| 111 | Development of a Rapid and Sensitive CasRx-Based Diagnostic Assay for SARS-CoV-2. <i>ACS Sensors</i> , 2021, 6, 3957-3966. | 4.0 | 35 |
| 112 | Skin inflammation activates intestinal stromal fibroblasts and promotes colitis. <i>Journal of Clinical Investigation</i> , 2021, 131, . | 3.9 | 12 |
| 113 | Analysis of SARS-CoV-2 RNA Persistence across Indoor Surface Materials Reveals Best Practices for Environmental Monitoring Programs. <i>MSystems</i> , 2021, 6, e0113621. | 1.7 | 14 |
| 114 | The Fecal Microbiome and Metabolome of Pitt Hopkins Syndrome, a Severe Autism Spectrum Disorder. <i>MSystems</i> , 2021, 6, e0100621. | 1.7 | 8 |
| 115 | Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021, 27, 1885-1892. | 15.2 | 170 |
| 116 | Comparison of fecal and oral collection methods for studies of the human microbiota in two Iranian cohorts. <i>BMC Microbiology</i> , 2021, 21, 324. | 1.3 | 4 |
| 117 | Clean room microbiome complexity impacts planetary protection bioburden. <i>Microbiome</i> , 2021, 9, 238. | 4.9 | 11 |
| 118 | Microbial co-occurrence complicates associations of gut microbiome with US immigration, dietary intake and obesity. <i>Genome Biology</i> , 2021, 22, 336. | 3.8 | 18 |
| 119 | IL-4R α Blockade by Dupilumab Decreases <i>Staphylococcus aureus</i> Colonization and Increases Microbial Diversity in Atopic Dermatitis. <i>Journal of Investigative Dermatology</i> , 2020, 140, 191-202.e7. | 0.3 | 130 |
| 120 | Microbial Diversity in Clinical Microbiome Studies: Sample Size and Statistical Power Considerations. <i>Gastroenterology</i> , 2020, 158, 1524-1528. | 0.6 | 55 |
| 121 | Effects of the microalgae <i>Chlamydomonas</i> on gastrointestinal health. <i>Journal of Functional Foods</i> , 2020, 65, 103738. | 1.6 | 66 |
| 122 | Mass spectrometry searches using MASST. <i>Nature Biotechnology</i> , 2020, 38, 23-26. | 9.4 | 160 |
| 123 | Microbial biogeography and ecology of the mouth and implications for periodontal diseases. <i>Periodontology 2000</i> , 2020, 82, 26-41. | 6.3 | 50 |
| 124 | Using microbiome tools for estimating the postmortem interval. , 2020, , 171-191. | | 7 |
| 125 | The emergence of microbiome centres. <i>Nature Microbiology</i> , 2020, 5, 2-3. | 5.9 | 13 |
| 126 | Three-dimensional culture of oral progenitor cells: Effects on small extracellular vesicles production and proliferative function. <i>Journal of Oral Pathology and Medicine</i> , 2020, 49, 342-349. | 1.4 | 17 |

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|-----|---|------|-----------|
| 127 | Home chemical and microbial transitions across urbanization. <i>Nature Microbiology</i> , 2020, 5, 108-115. | 5.9 | 83 |
| 128 | Altered Gut Microbiota and Host Metabolite Profiles in Women With Human Immunodeficiency Virus. <i>Clinical Infectious Diseases</i> , 2020, 71, 2345-2353. | 2.9 | 38 |
| 129 | 48: Oral probiotic versus placebo and the maternal microbiome during pregnancy: A randomized controlled trial. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 222, S41-S42. | 0.7 | 0 |
| 130 | Translocation of Viable Gut Microbiota to Mesenteric Adipose Drives Formation of Creeping Fat in Humans. <i>Cell</i> , 2020, 183, 666-683.e17. | 13.5 | 211 |
| 131 | Nutrition and the Gut Microbiota in 10- to 18-Month-Old Children Living in Urban Slums of Mumbai, India. <i>MSphere</i> , 2020, 5, . | 1.3 | 20 |
| 132 | A Distinct Microbiome Signature in Posttreatment Lyme Disease Patients. <i>MBio</i> , 2020, 11, . | 1.8 | 19 |
| 133 | Evaluating Organism-Wide Changes in the Metabolome and Microbiome following a Single Dose of Antibiotic. <i>MSystems</i> , 2020, 5, . | 1.7 | 6 |
| 134 | Early-life gut dysbiosis linked to juvenile mortality in ostriches. <i>Microbiome</i> , 2020, 8, 147. | 4.9 | 30 |
| 135 | Leveling up citizen science. <i>Nature Biotechnology</i> , 2020, 38, 1124-1126. | 9.4 | 20 |
| 136 | The Urinary Tract Microbiome in Older Women Exhibits Host Genetic and Environmental Influences. <i>Cell Host and Microbe</i> , 2020, 28, 298-305.e3. | 5.1 | 45 |
| 137 | Vitamin D metabolites and the gut microbiome in older men. <i>Nature Communications</i> , 2020, 11, 5997. | 5.8 | 88 |
| 138 | Triclosan leads to dysregulation of the metabolic regulator FGF21 exacerbating high fat diet-induced nonalcoholic fatty liver disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31259-31266. | 3.3 | 43 |
| 139 | Depression in Individuals Coinfected with HIV and HCV Is Associated with Systematic Differences in the Gut Microbiome and Metabolome. <i>MSystems</i> , 2020, 5, . | 1.7 | 9 |
| 140 | Reduced Independence in Daily Living Is Associated with the Gut Microbiome in People with HIV and HCV. <i>MSystems</i> , 2020, 5, . | 1.7 | 1 |
| 141 | Handwashing and Detergent Treatment Greatly Reduce SARS-CoV-2 Viral Load on Halloween Candy Handled by COVID-19 Patients. <i>MSystems</i> , 2020, 5, . | 1.7 | 11 |
| 142 | The Gut Microbiome, Aging, and Longevity: A Systematic Review. <i>Nutrients</i> , 2020, 12, 3759. | 1.7 | 207 |
| 143 | Association Between the Gut Microbiota and Blood Pressure in a Population Cohort of 6953 Individuals. <i>Journal of the American Heart Association</i> , 2020, 9, e016641. | 1.6 | 67 |
| 144 | Microbiome and Metagenome Analyses of a Closed Habitat during Human Occupation. <i>MSystems</i> , 2020, 5, . | 1.7 | 4 |

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|-----|---|------|-----------|
| 145 | Expanding magnetic organelle biogenesis in the domain Bacteria. <i>Microbiome</i> , 2020, 8, 152. | 4.9 | 44 |
| 146 | Type I IFNs and CD8 T cells increase intestinal barrier permeability after chronic viral infection. <i>Journal of Experimental Medicine</i> , 2020, 217, . | 4.2 | 28 |
| 147 | Two hundred and fifty-four metagenome-assembled bacterial genomes from the bank vole gut microbiota. <i>Scientific Data</i> , 2020, 7, 312. | 2.4 | 13 |
| 148 | CD8 T cells drive anorexia, dysbiosis, and blooms of a commensal with immunosuppressive potential after viral infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24998-25007. | 3.3 | 10 |
| 149 | Fructose stimulated de novo lipogenesis is promoted by inflammation. <i>Nature Metabolism</i> , 2020, 2, 1034-1045. | 5.1 | 174 |
| 150 | Association of Body Mass Index with Fecal Microbial Diversity and Metabolites in the Northern Finland Birth Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 2289-2299. | 1.1 | 20 |
| 151 | Mortality Risk Profiling of <i>Staphylococcus aureus</i> Bacteremia by Multi-omic Serum Analysis Reveals Early Predictive and Pathogenic Signatures. <i>Cell</i> , 2020, 182, 1311-1327.e14. | 13.5 | 58 |
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